LMX-0501G-SFP Series

5-Port Industrial Gigabit Managed Ethernet Switches, w/ 4*10/100/1000Tx , 1* 100/1000 SFP Slot, 12~48DC Power Input
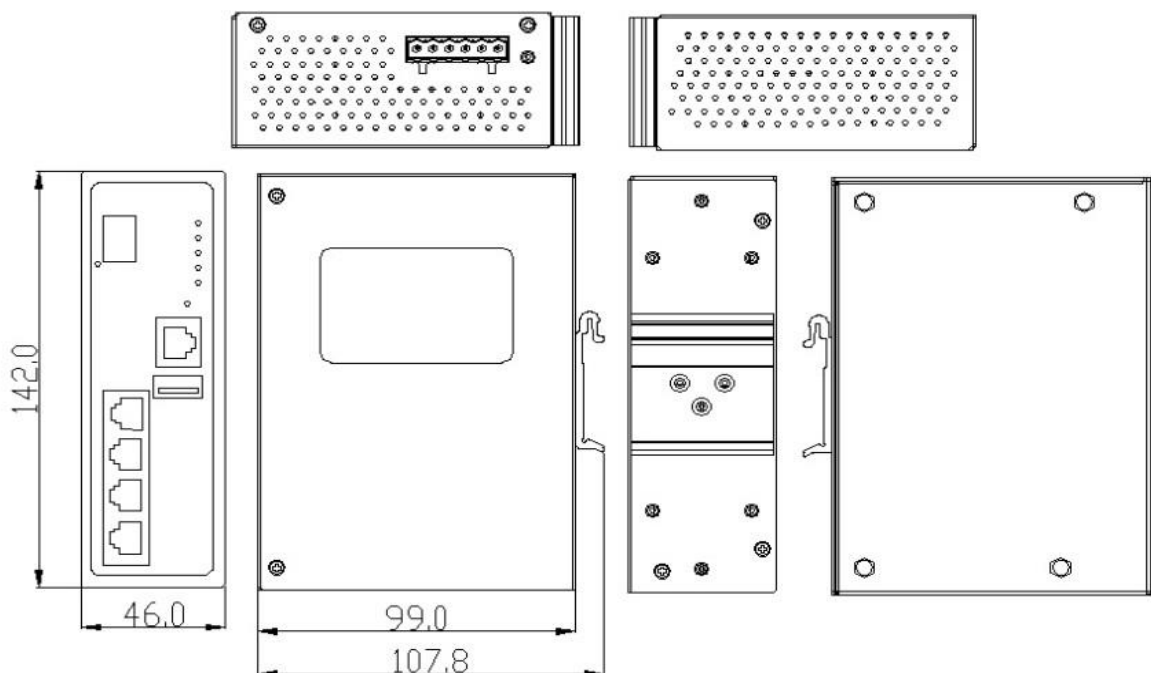
Features

► Supports 4*10/100/1000Tx Fast Ethernet Ports and 1*100/1000 SFP Slot
► Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
► Configuration: Web Console, Telnet, CLI Command
► Supports IGMP v1/v2, up to 256 Groups
► Supports QoS (IEEE802.1p) and CoS/ToS
► Supports IEEE802.1Q VLAN, SNMP v1/v2c
► System Warning Setting for Automatic Warning through E-Mail
► Redundant Power Input Design – 12~48VDC
► Housing: Metal IP 30 Rated; DIN-Rail and Wall Mount Support
► Operating Temperature - STD: -10~70C & EOT: -40~75C
► 5-Year Warranty

INTRODUCTION

Antaira's LMX-0501G-SFP series is a 5-port industrial gigabit managed Ethernet switch that is embedded with four gigabit Ethernet ports and one dual rate (100/1000) SFP slots for fiber connection. This series is a fully manageable industrial Ethernet switch pre-loaded with standard Layer 2 network management software, and supports a user friendly web console interface for easy configuration.

LMX-0501G-SFP series is IP30 rated, DIN-rail mountable, and has two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS, power/utility, water wastewater, and any other outdoor or harsh environment.

DIMENSIONS

142.0

46.0

99.0

107.8

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z gigabit fiber IEEE 802.3x Flow Control for Full Duplex IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1q Virtual LANs (VLAN) IEEE 802.1x Network Authentication IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization

Switch Properties

Protocol	CSMA/CD,IGMPv1/v2,SNMPv1/v2,TFTP,SNTP,SMTP,RARP, Syslog
Configuration	Web Console, Telnet, CLI
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,8800pps for 100Base-T Fast Ethernet port 1,488,000pps for Gigabit Ethernet Port
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	9.6K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
VLAN Group	0 ~ 4094
IGMP Group	Up to 256 Groups

Port Interface

Ethernet RJ45 Port	4*10/100/1000BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1* 100/1000 SFP Slot
Wavelength	Refer to SFP Modules
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1
Configuration Backup	1*USB 2.0

Protection

Overload Current	Present
Power Reverse Polarity	Present
CPU Watchdog	Present
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.5 lbs.; Shipping: 2.3 lbs.
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Power Consumption	10 Watts

Environmental Limits

Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL508 (Pending)
Warranty	5 Years

ORDERING INFO

LMX-0501G-SFP	5-Port Industrial Gigabit Managed Ethernet Switch with 4*10/100/1000Tx + 1* 100/1000 SFP Slot
LMX-0501G-SFP-T	5-Port Industrial Gigabit Managed Ethernet Switch with 4*10/100/1000Tx + 1* 100/1000 SFP Slot ; EOT -40° to 75° C

Optional Accessories

MDR-10-12	10W Industrial Din Rail Power Supply, 12VDC
MDR-20-24	20W Industrial Din Rail Power Supply, 24VDC
MDR-40-48	40W Industrial Din Rail Power Supply, 48VDC
MDR-60-48	60W Industrial Din Rail Power Supply, 48VDC